Andrea Wilkes

Subject: FW: Energy-Related Questions

From: Michael Skougard [mailto:michael.skougard@gmail.com]
Sent: Wednesday, April 14, 2010 2:02 PM
To: Andrea Wilkes; Mike West; Enyeart, Sandra B.
Subject: Fwd: Energy-Related Questions

Here's a partial response.

---------- Forwarded message ----------
From: "Thornton, Kevin D. (NV)" <thornton@nv.doe.gov>
Date: Apr 14, 2010 1:19 PM
Subject: RE: Energy-Related Questions
To: "Babero, Gerry (NV)" <Babero@nv.doe.gov>, "Michael Skougard" <michael.skougard@gmail.com>

Answers in red below.

Kevin

From: Babero, Gerry (NV)
Sent: Wednesday, April 07, 2010 5:29 PM
To: Starrett, Dawn (NSTec); Brown, Gerald D (NSTec); Mitchem, Greg B (NSTec)
Cc: Barrow, Clayton W. (NV); Thornton, Kevin D. (NV)
Subject: FW: Energy-Related Questions

I need help with this request...who has the answers???

From: Michael Skougard [mailto:michael.skougard@gmail.com]
Sent: Wednesday, April 07, 2010 12:50 PM

To: Babero, Gerry (NV); Thornton, Kevin D. (NV)

Cc: Andrea Wilkes; Mike West; Enyeart, Sandra B.; Cohn, Linda M. (NV); Stewart, Carrie (NNES)
Subject: Energy-Related Questions

Gerry and Kevin,

The following information request was sent to me by our infrastructure ana...

NTS

Please verify the electrical Capacity of the current NTS electrical supply system. The Fina...

Electrical capacity is measured in Watts. The 45 MW number is a good number. The MWh number is meaningless and should be taken out of the text.

Can someone comment on or qualify this statement?:

"The NTS power system has adequate cap...

Current capacity is 45 Mw. Current load is around 20 MW. This leaves 20+ MW for growth. The utility use surrounding the NTS is holding steady the NTS capacity should remain at 45 MW into the foreseeable future. 2009 usage was 84,577 MWh.

There are two 138 kV lines that serve the NTS. One is owned by NV Energy and one is owned by the Valley Electric Association. There is sufficient capacity on these lines to support a 45 MW load at the NTS.

If the Solar Demonstration zone is constructed the plan is to connect directly to the VEA line that runs through that area. Current plans for the foreseeable future are for up to 30 MW of generation. There is sufficient capacity on the VEA system to handle the additional generation.

RSL

I still need the following information on the RSL:

What is the capacity of the ...

Describe the electrical transmission/distribution system at RSL.

Who is the supplier of natural ...